

FIGURE 1a

FIG. 1b is a block diagram of a system for monitoring and controlling an internal implant with telemetry.

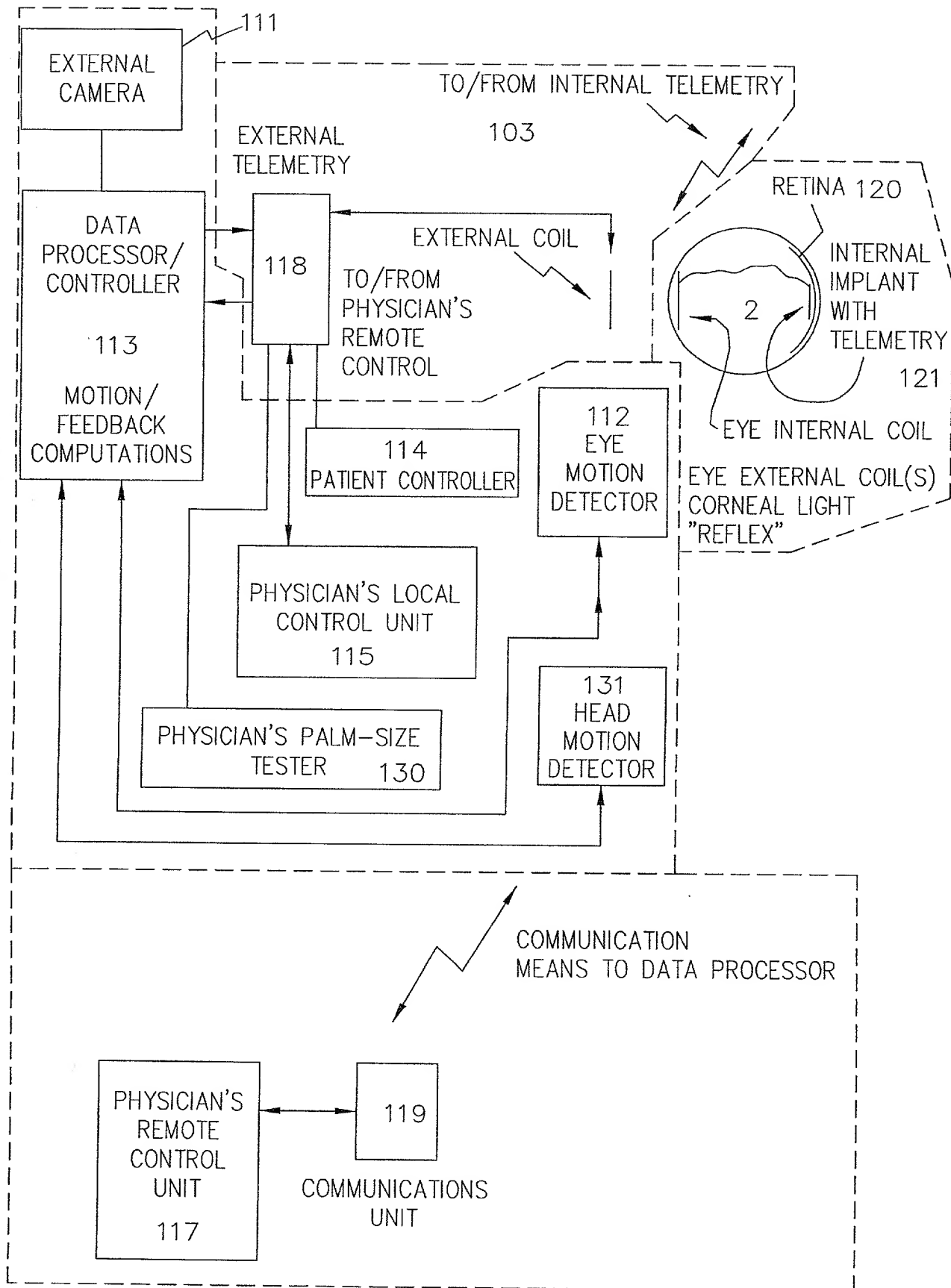


FIGURE 1b

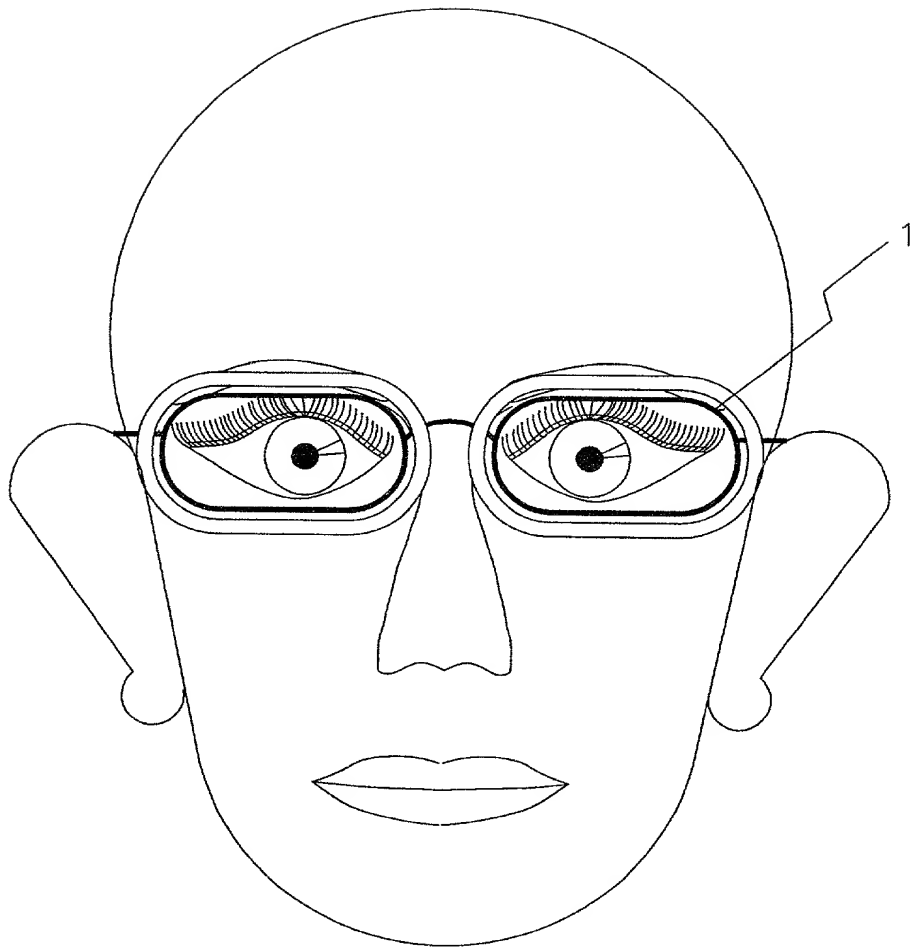


FIGURE 1c

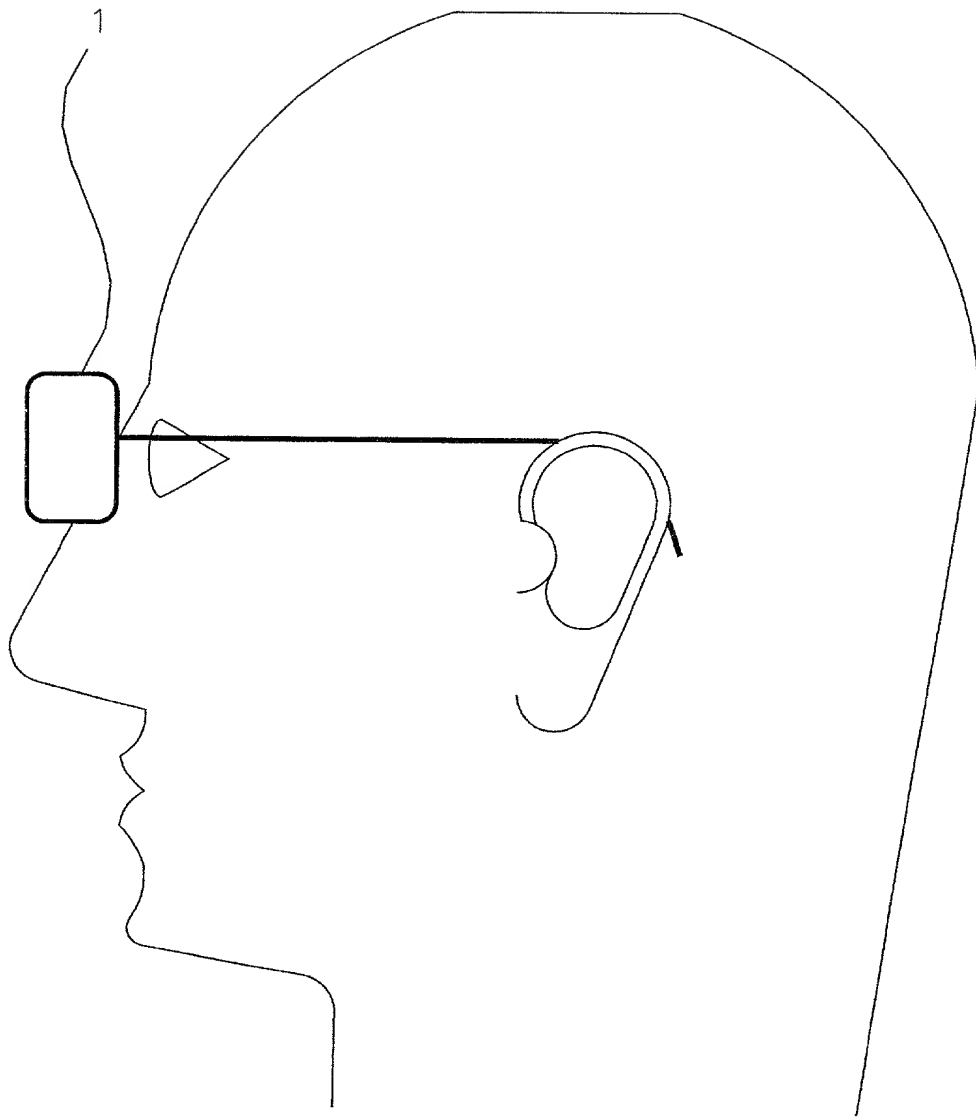


FIGURE 1d

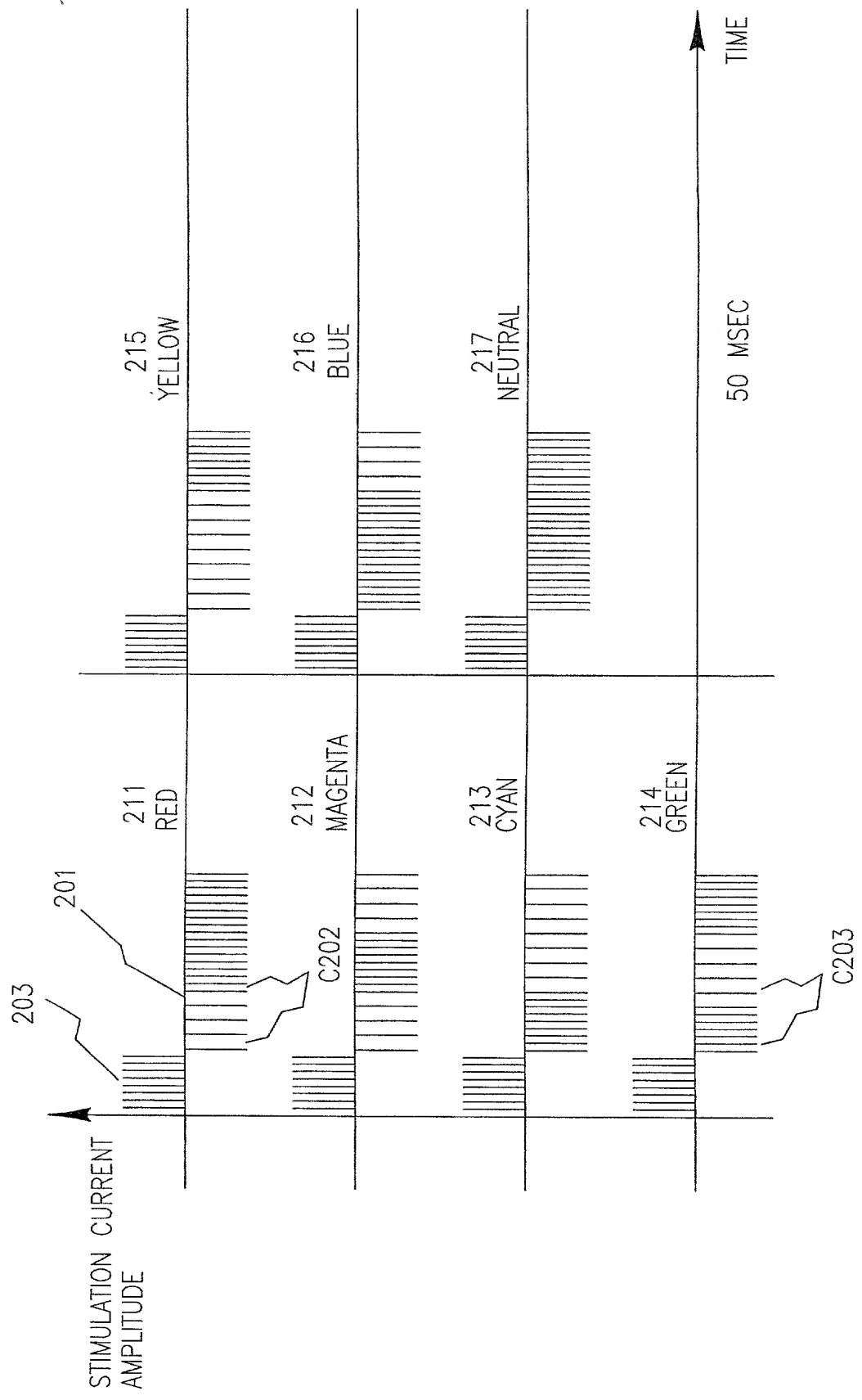


FIGURE 2a  
COLOR CODING

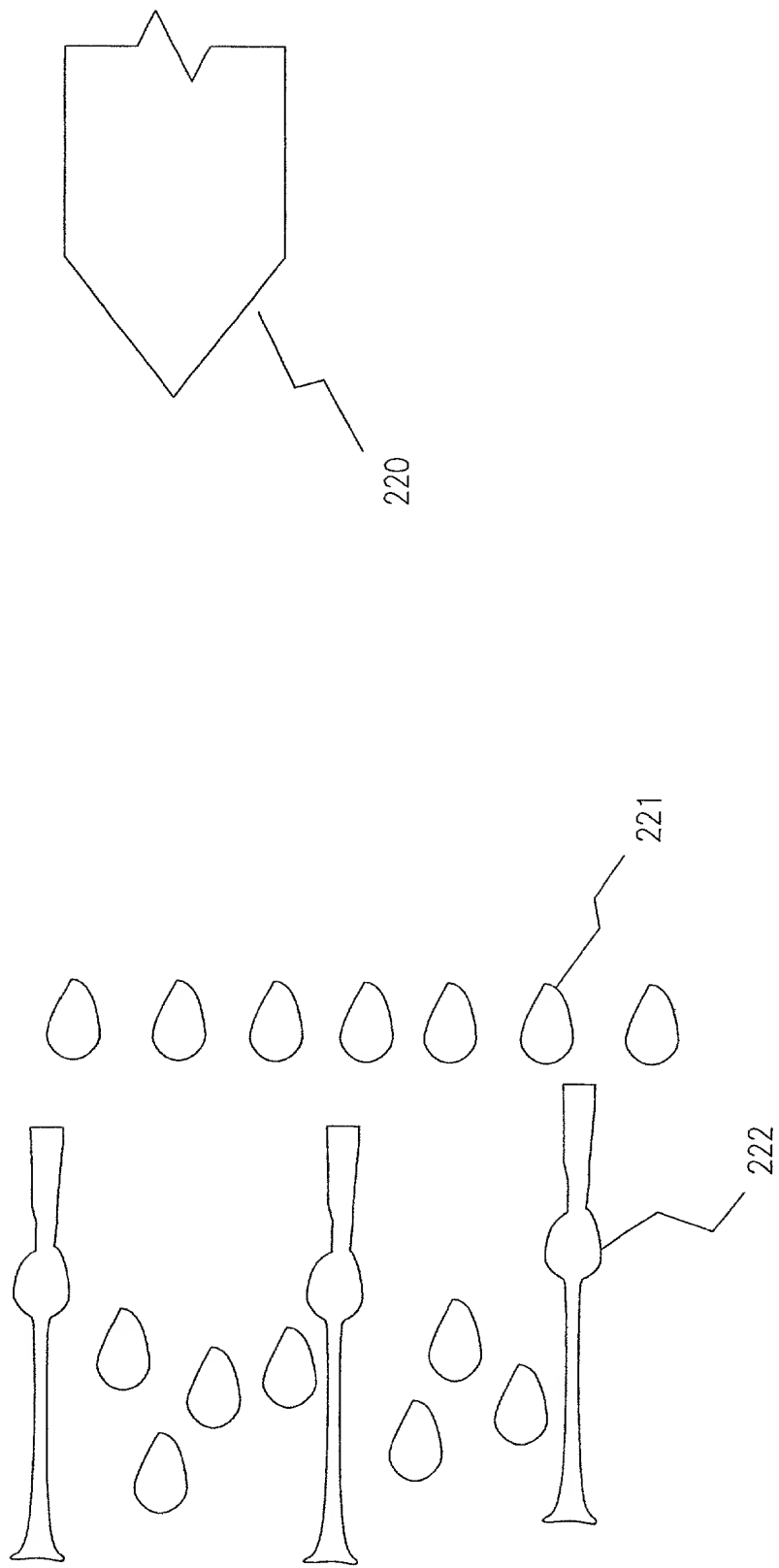


FIGURE 2b

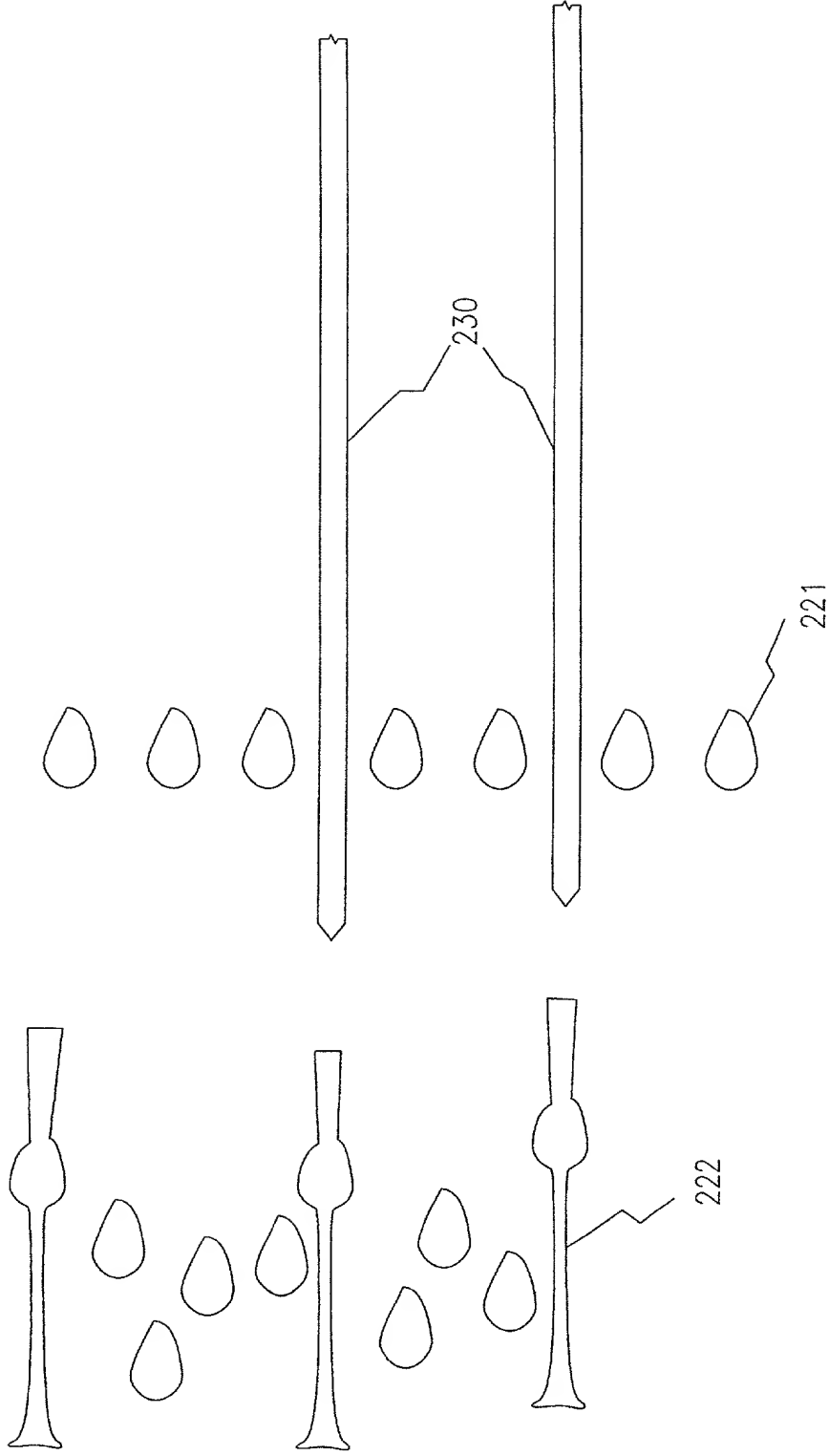
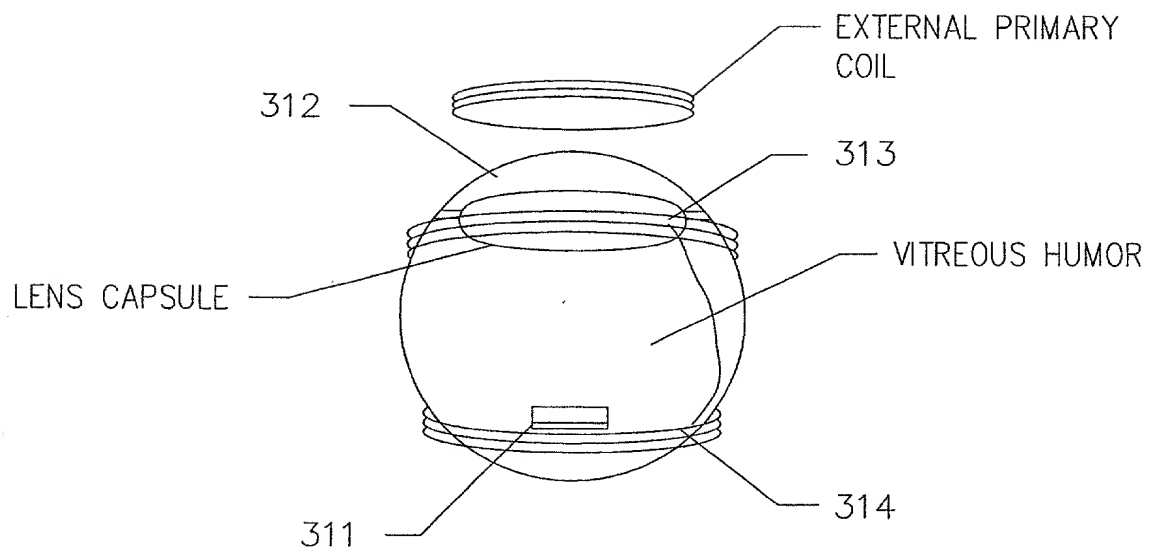


FIGURE 2c



EXTERNAL/INTERNAL TELEMETRY UNIT –  
EXTERNAL COIL/INTERNAL COIL /INTERNAL CHIP

FIGURE 3a



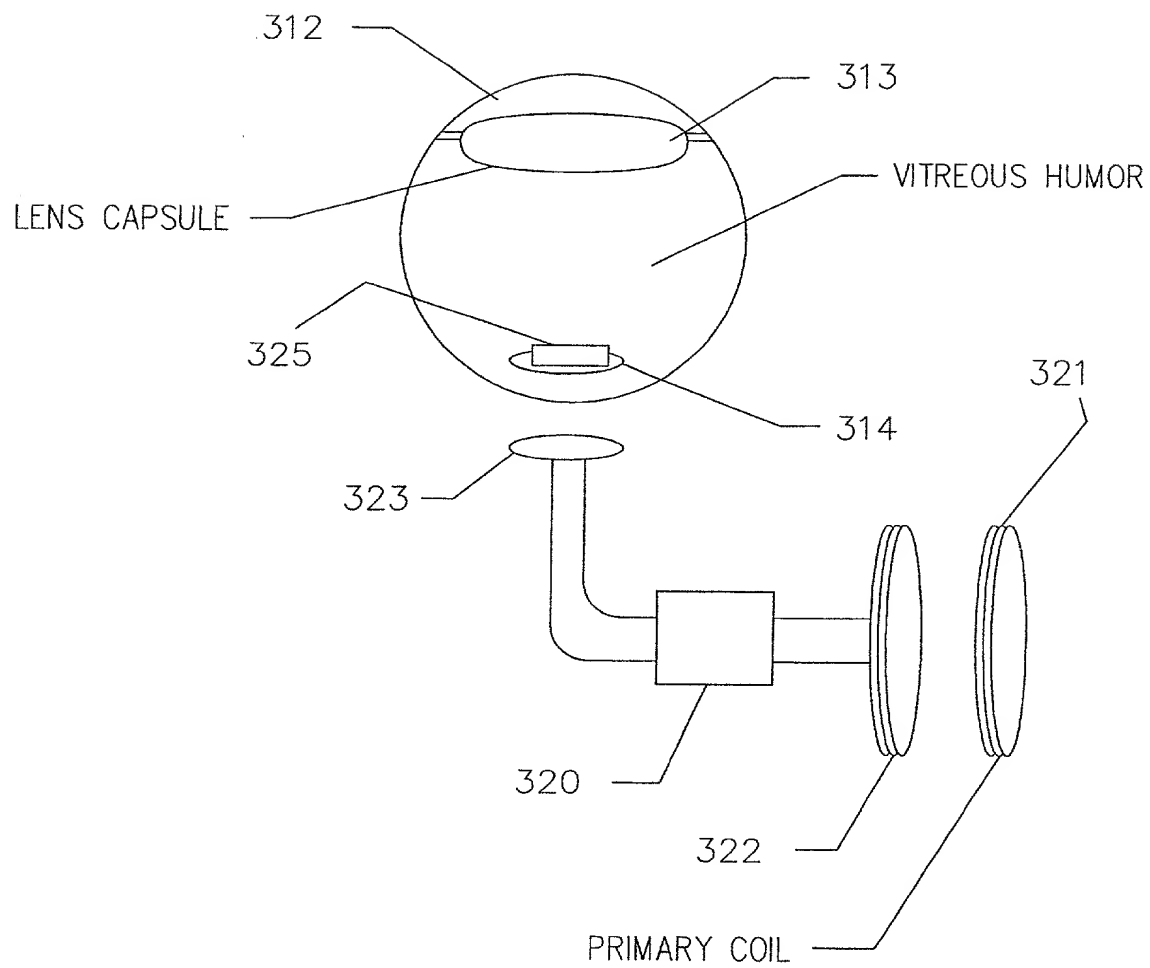


FIGURE 3b

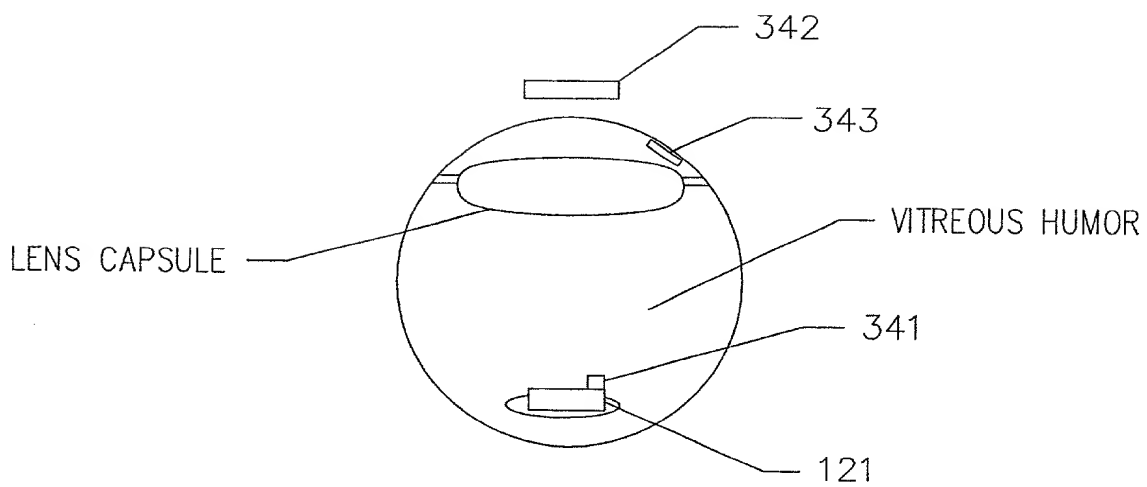


FIGURE 3c

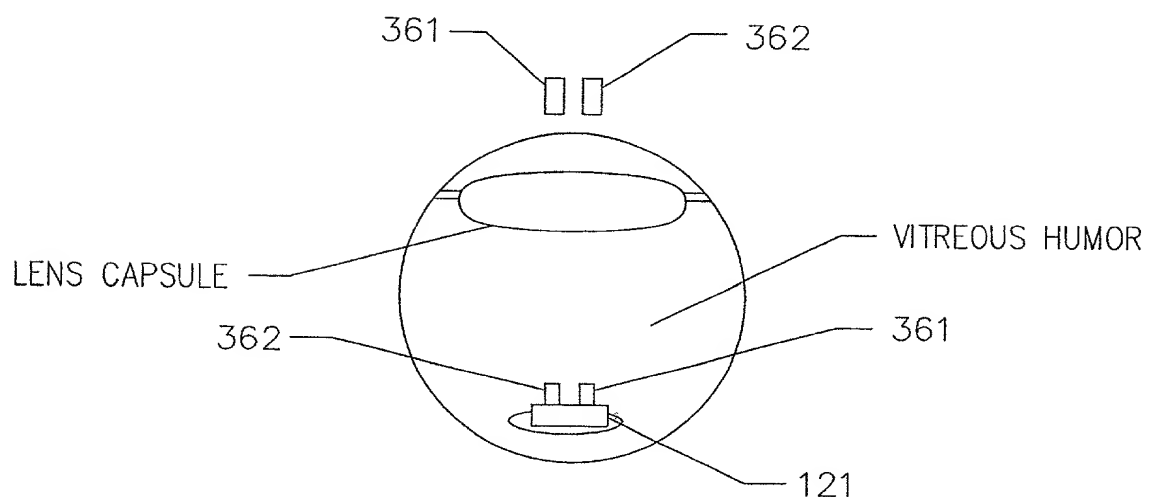
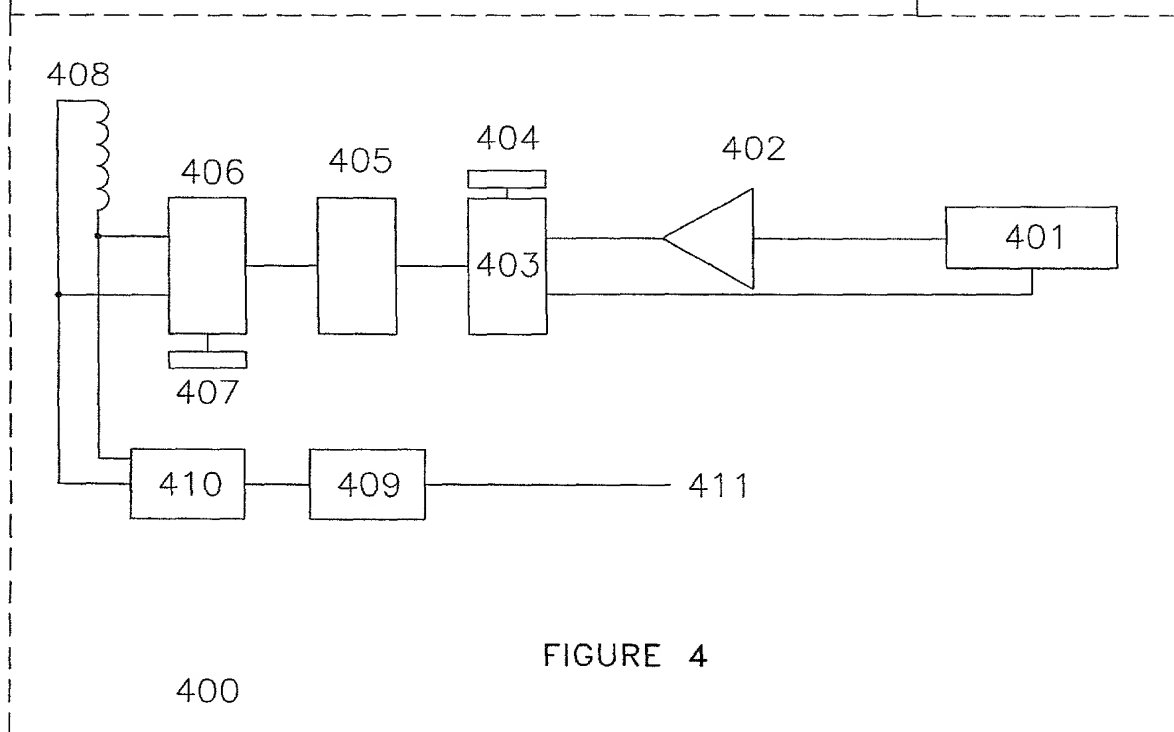
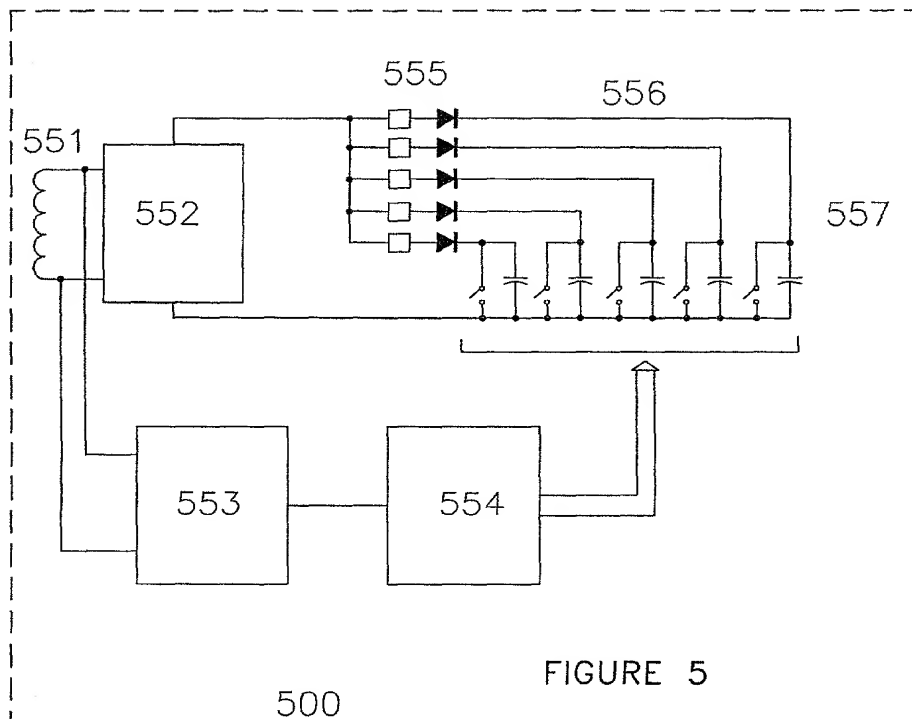
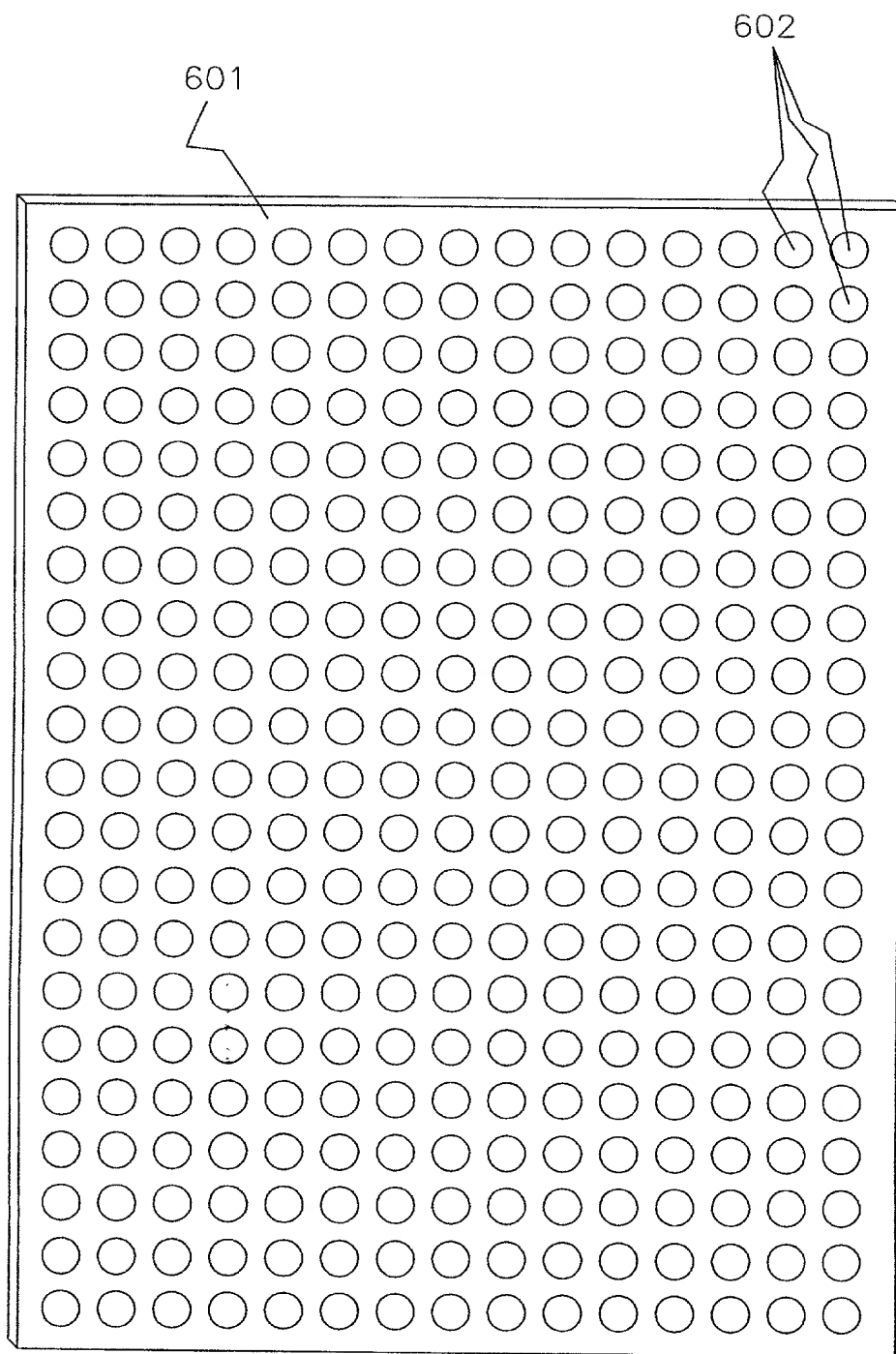


FIGURE 3d





ELECTRODES ON SUBSTRATE

FIGURE 6a

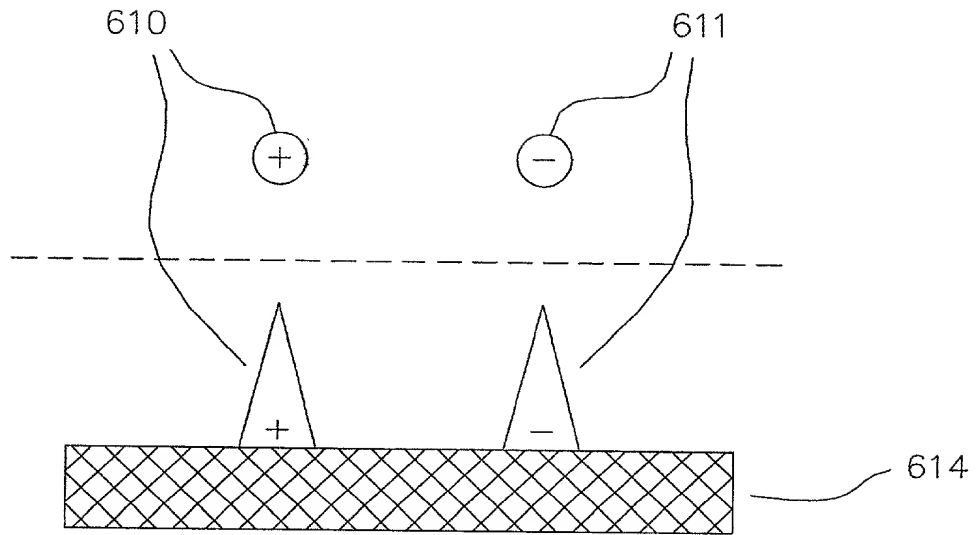


FIGURE 6b

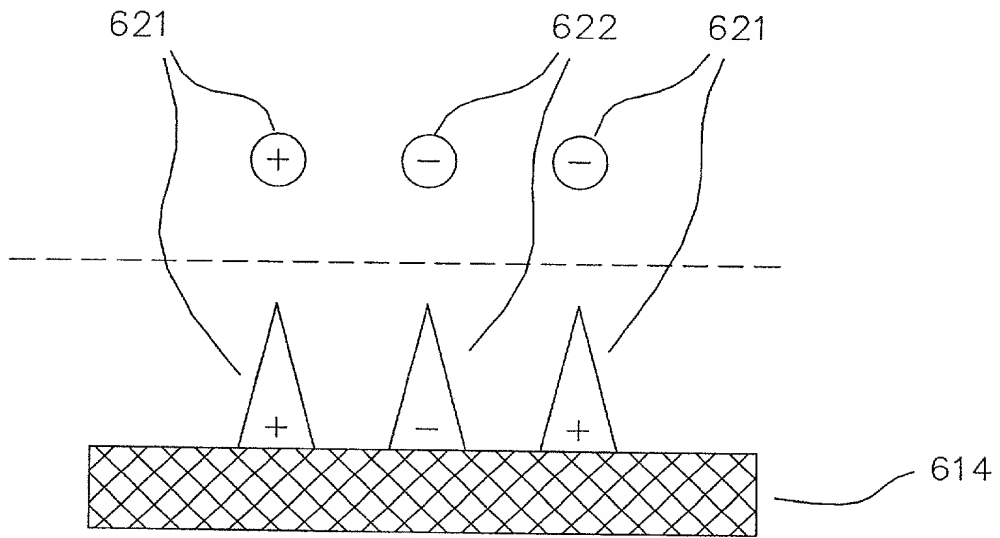
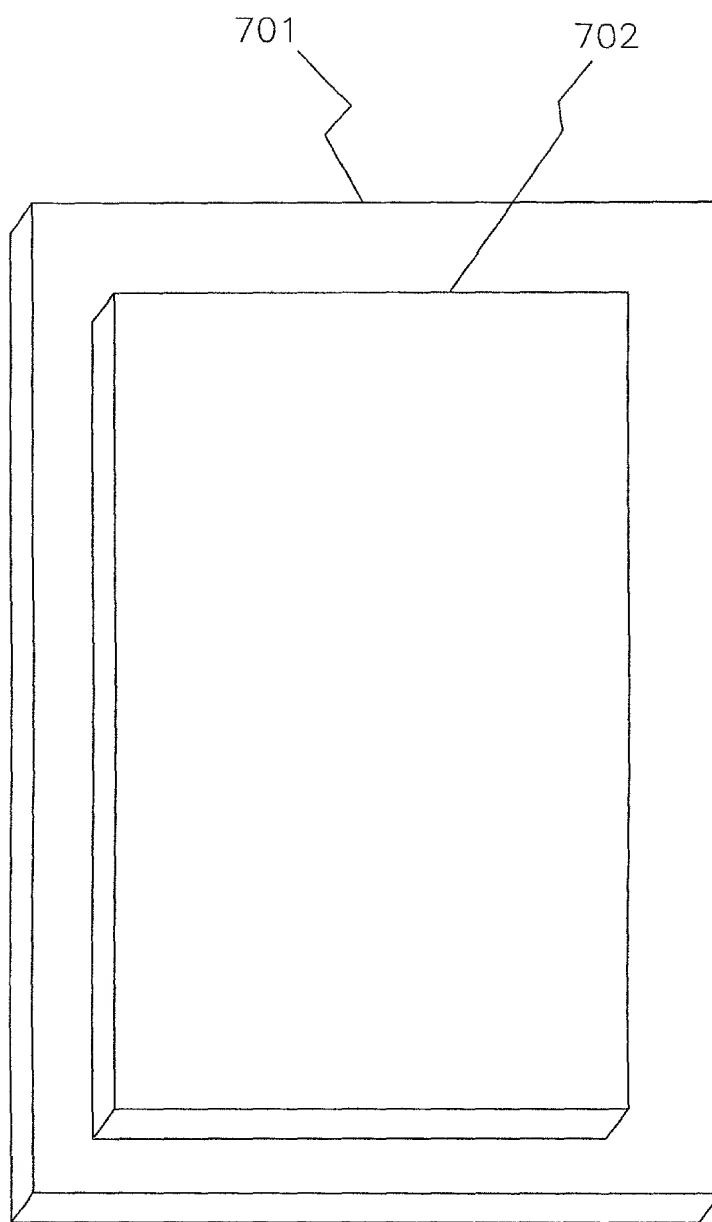


FIGURE 6c



INDIFFERENT ELECTRODE OF MONOPOLAR ELECTRODES

FIGURE 7

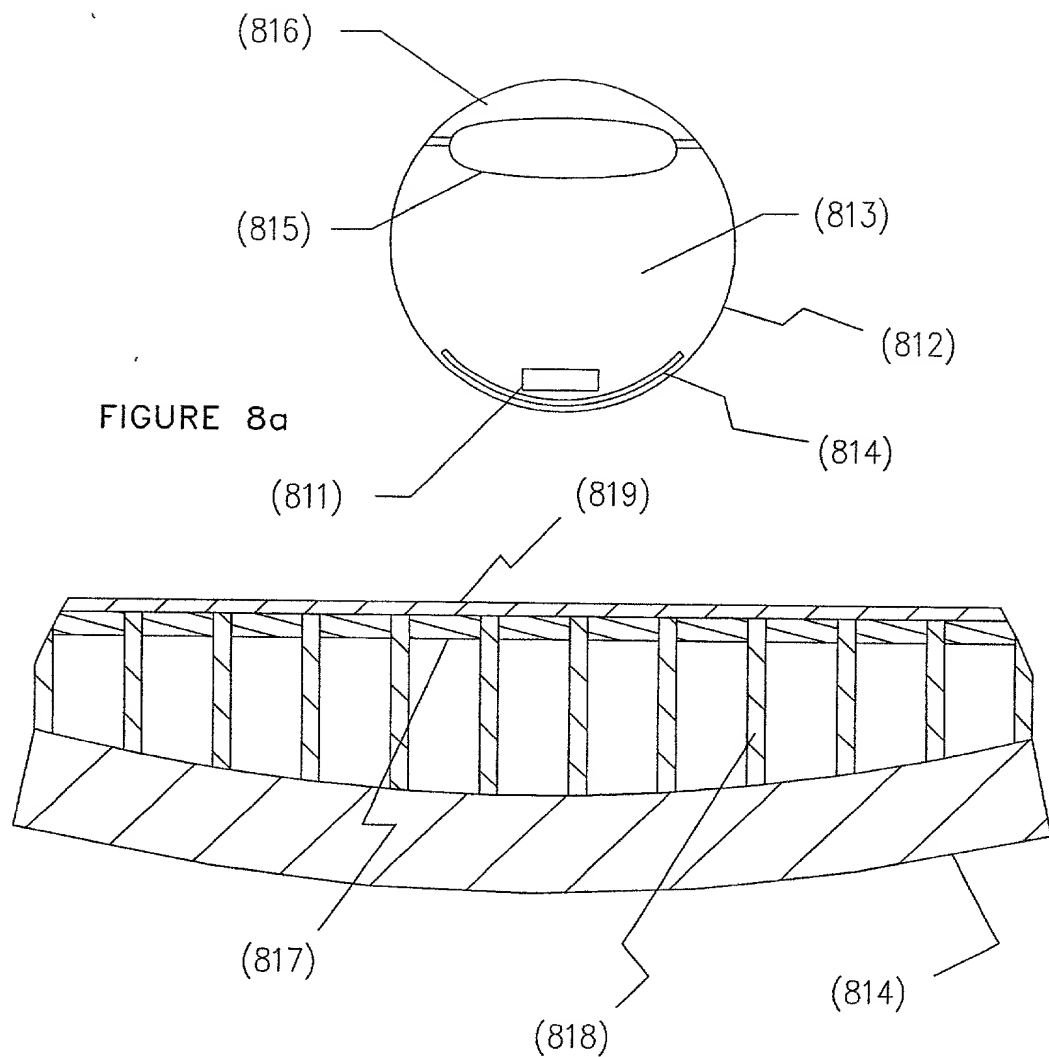


FIGURE 8b  
EPIRETINAL ELECTRODES - RECESSED

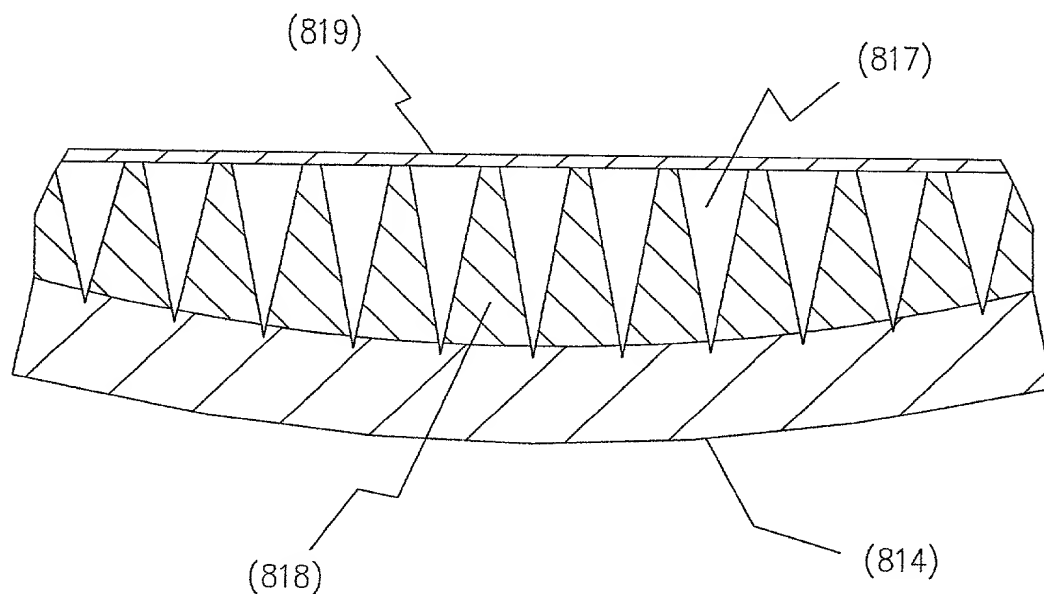
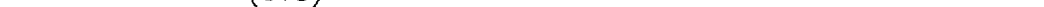


FIGURE 8c  
EPIRETINAL ELECTRODES - PENETRATING



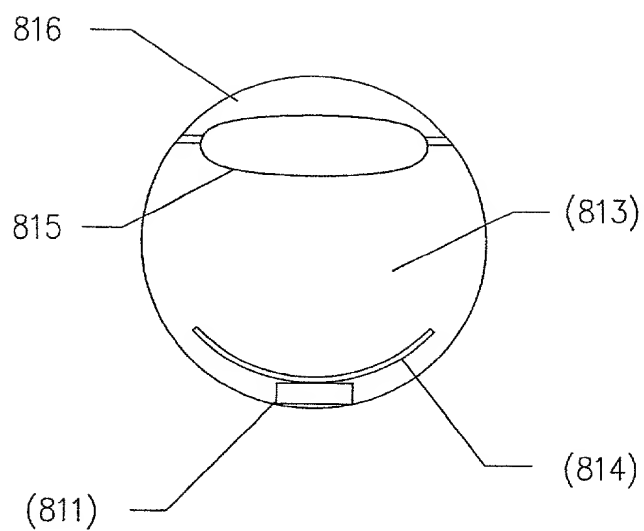


FIGURE 9a

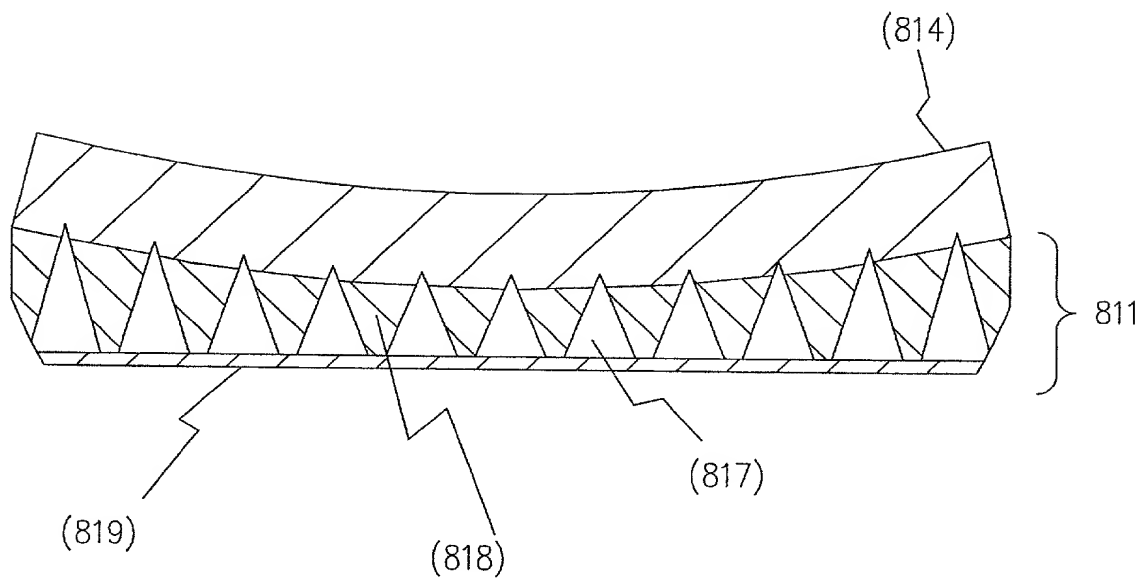


FIGURE 9b  
SUBRETINAL ELECTRODES – PENETRATING



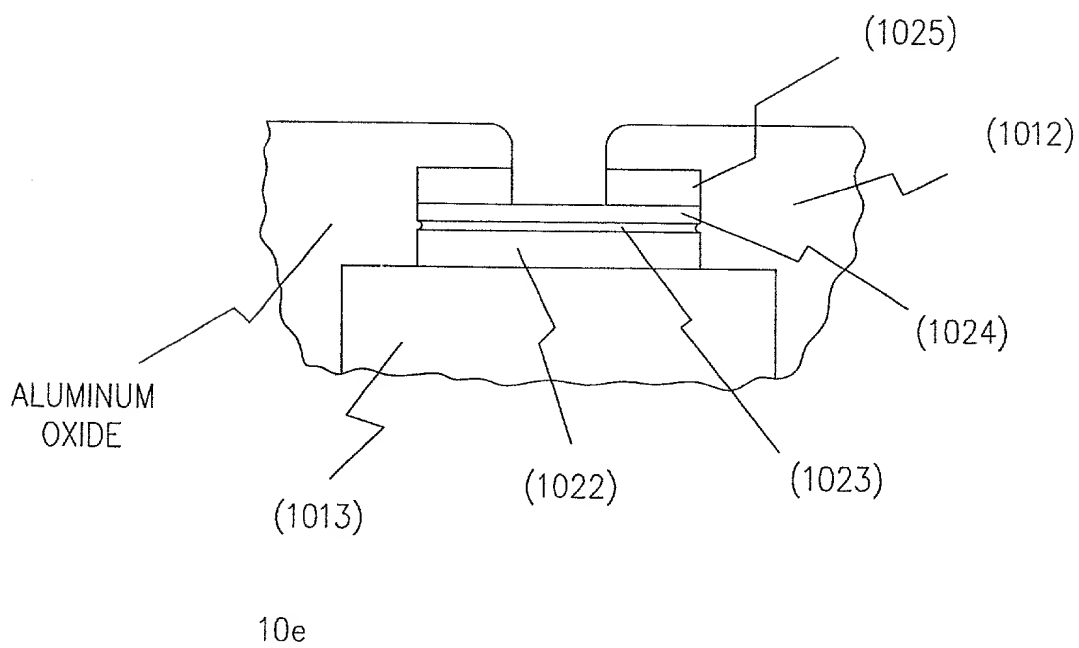
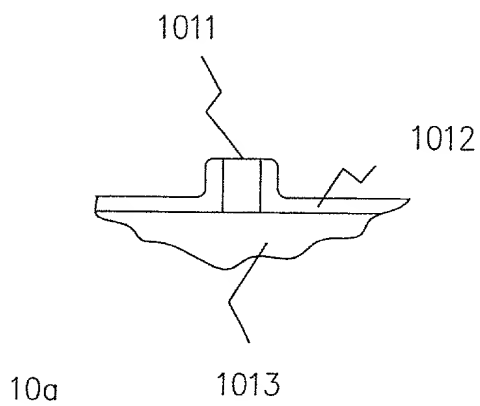
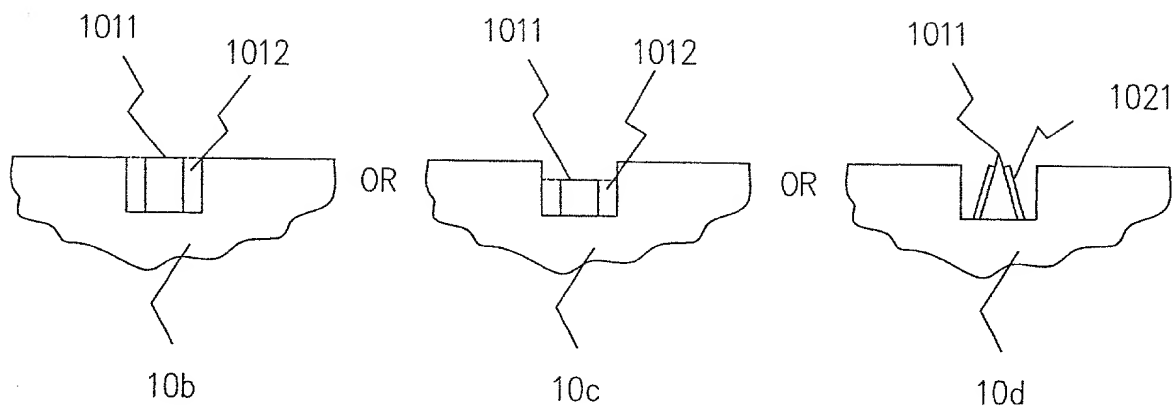


FIGURE 10

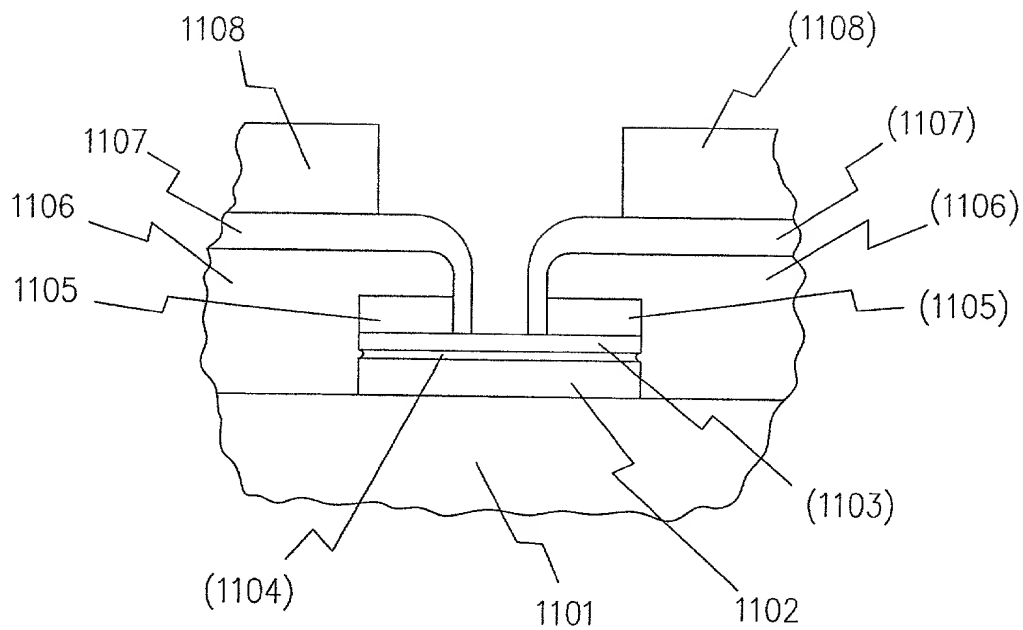


FIGURE 11a  
ELECTRODES

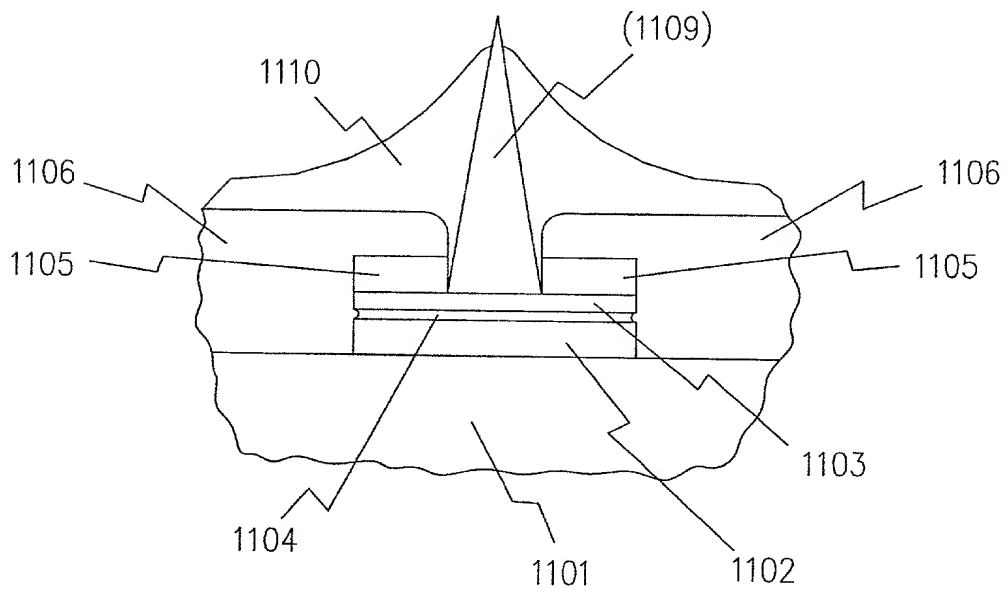


FIGURE 11b  
ELECTRODES

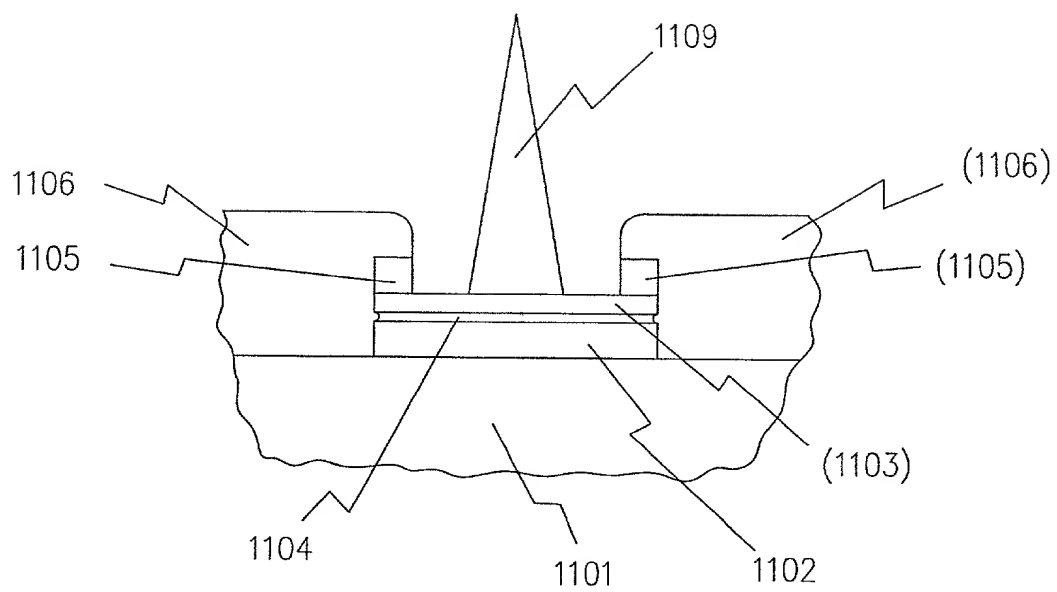


FIGURE 11c

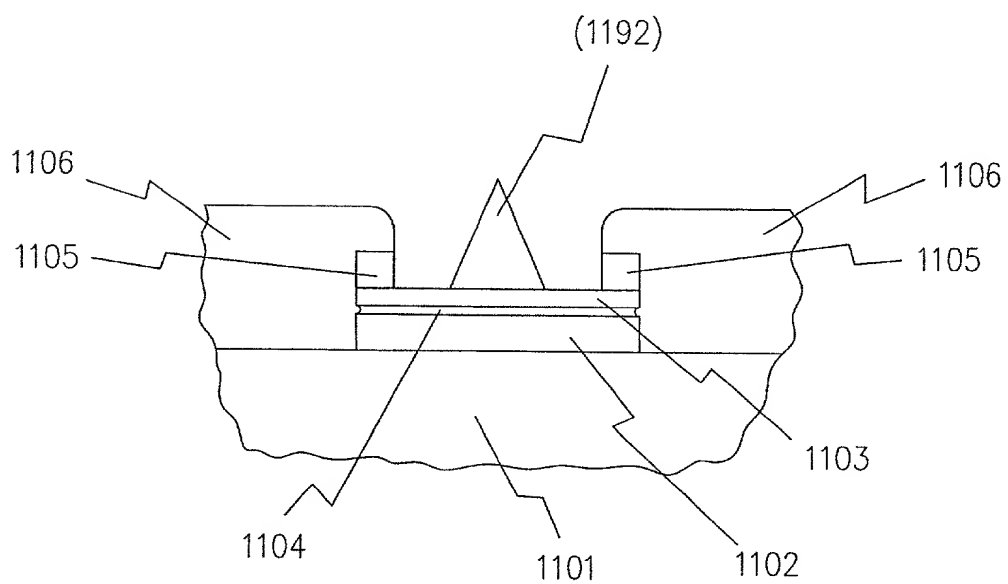


FIGURE 11d

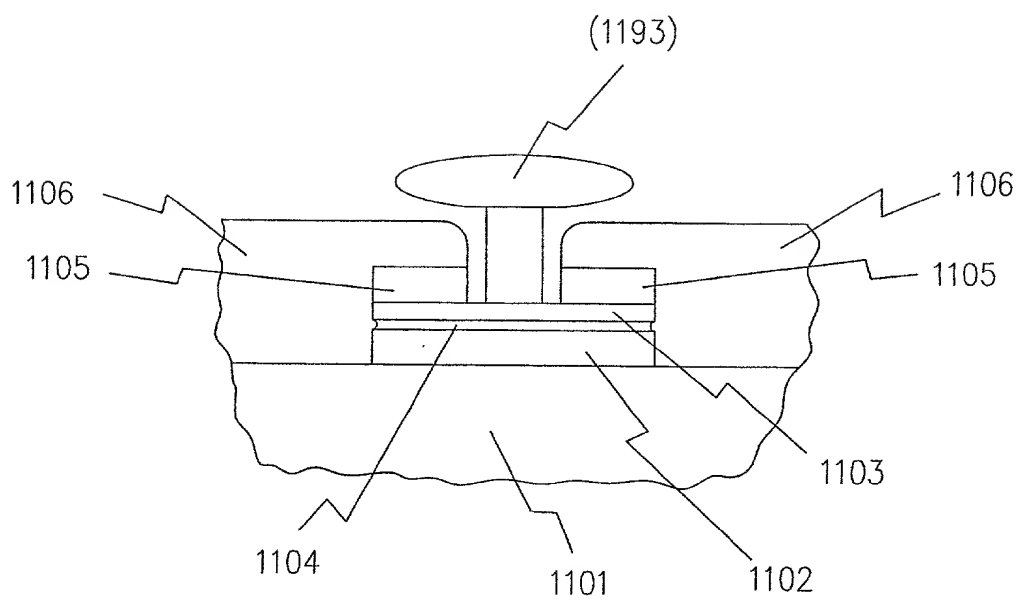


FIGURE 11e

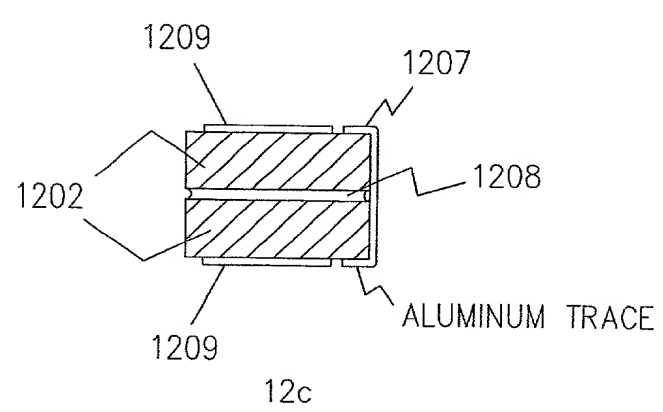
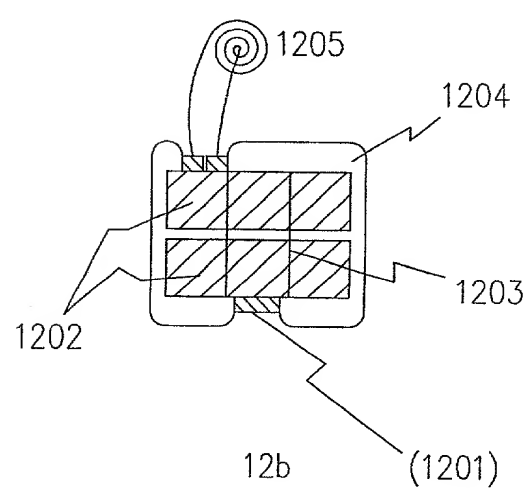
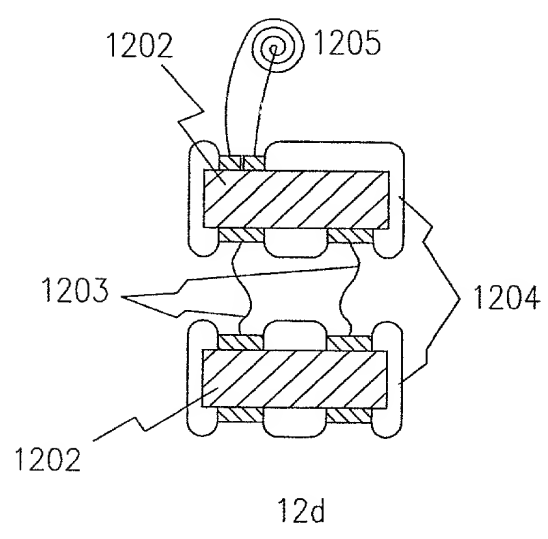
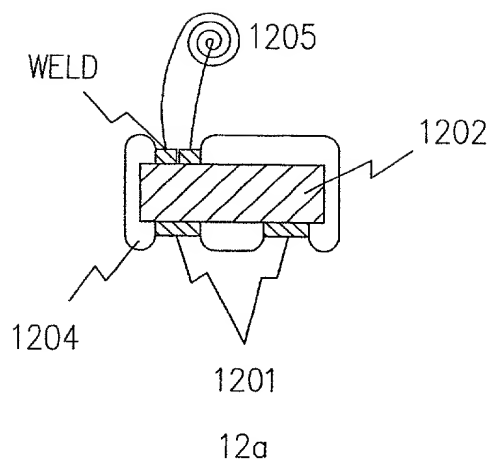


FIGURE 12  
COIL AND WIRE ATTACHMENT TO SUBSTRATES AT ELECTRODE

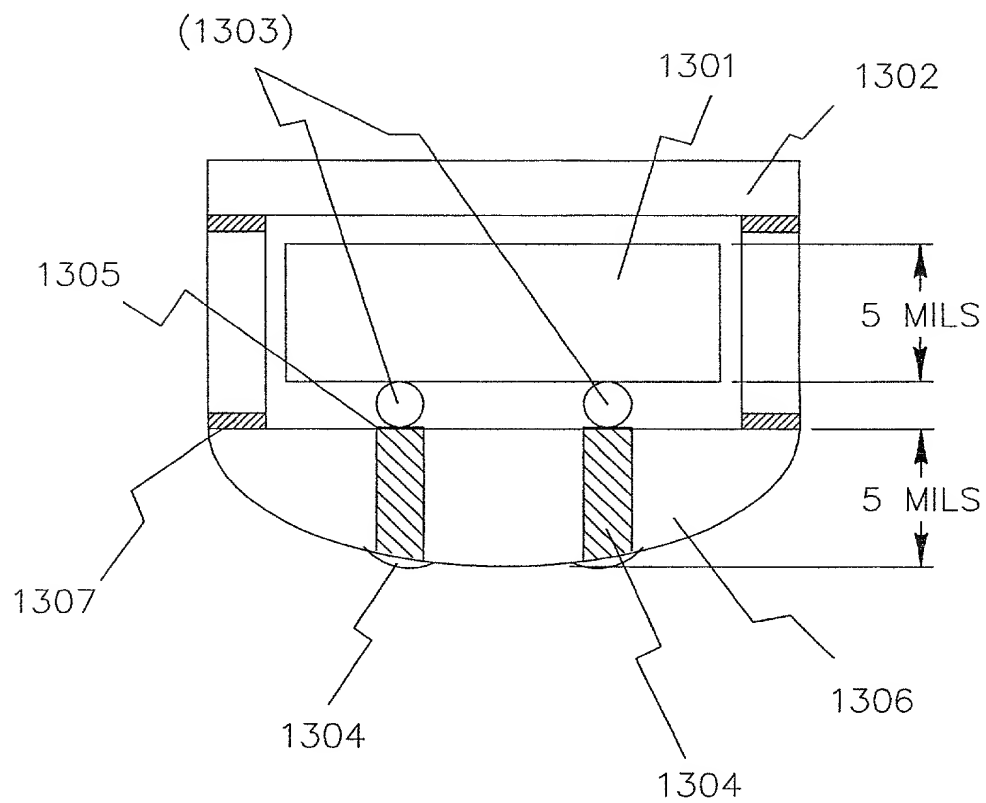


FIGURE 13  
HERMETIC SEALING

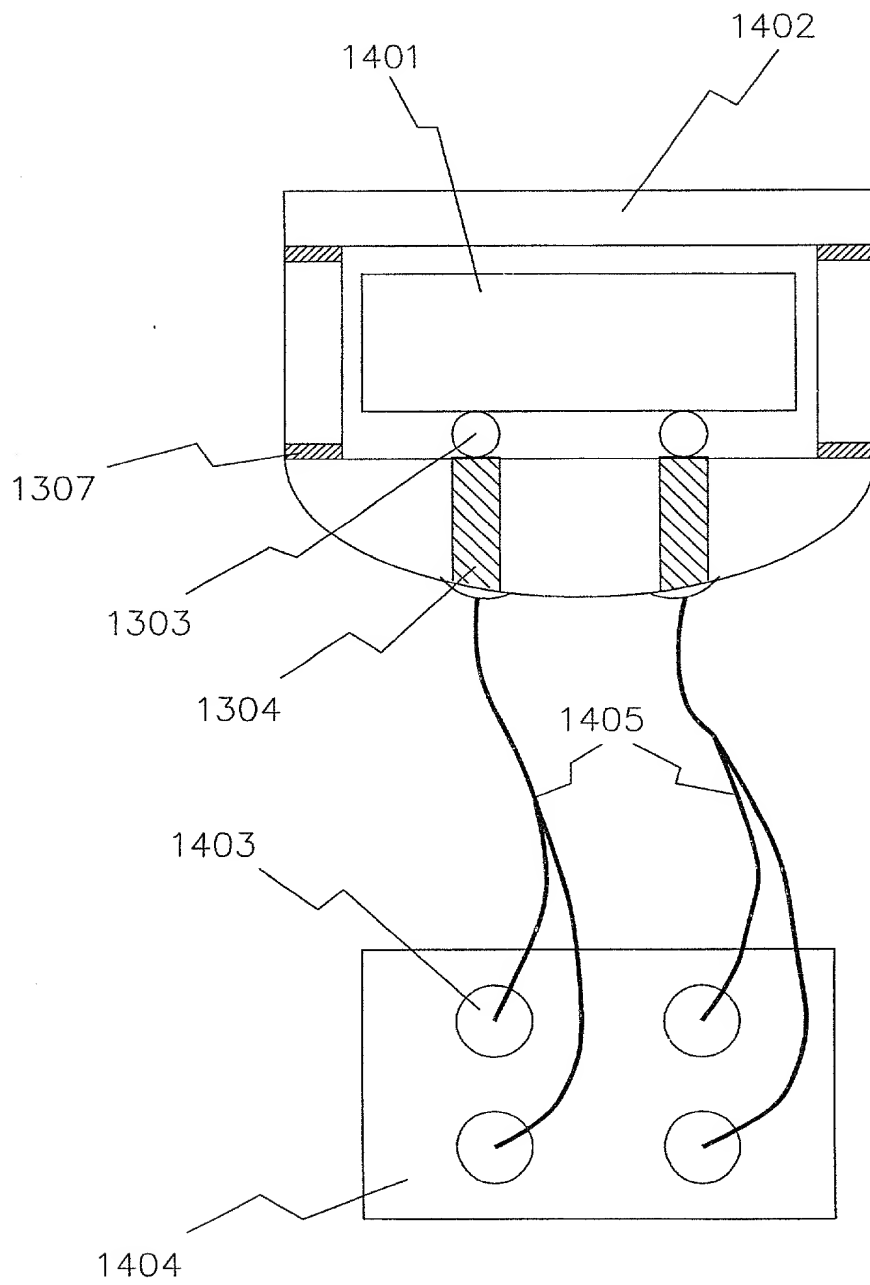


FIGURE 14

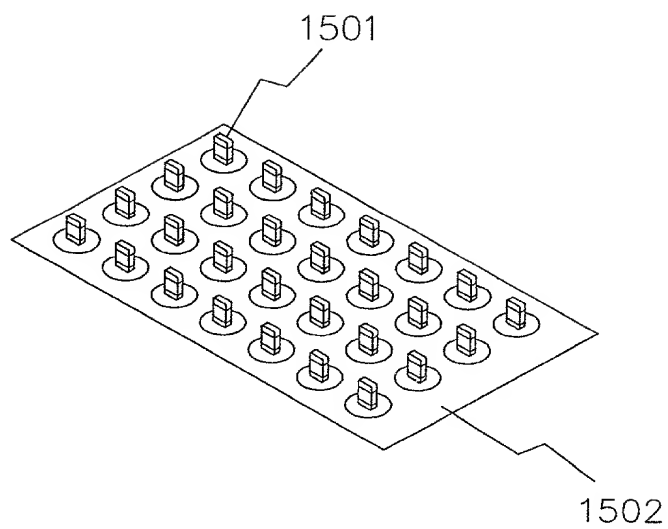


FIGURE 15



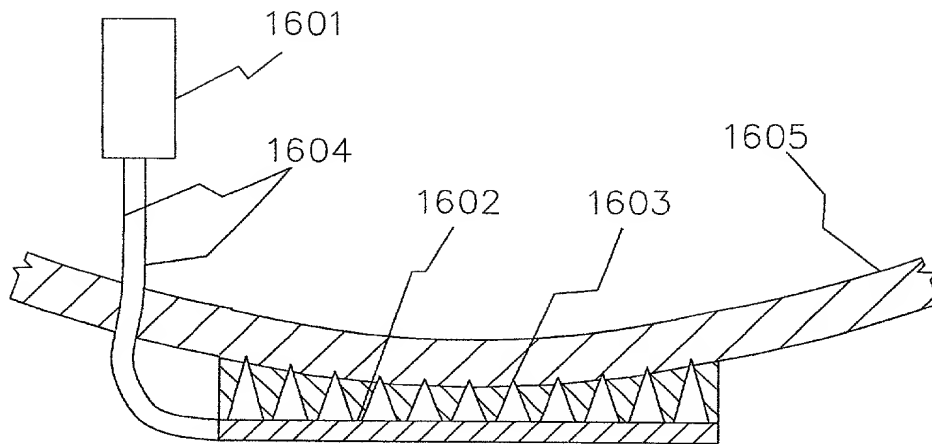


FIGURE 16a

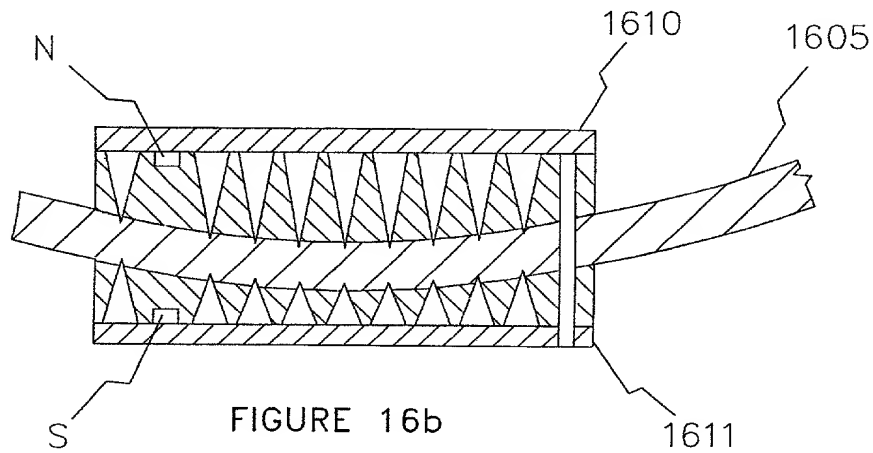


FIGURE 16b

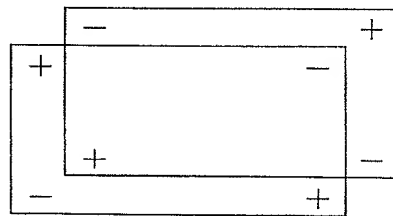


FIGURE 16c

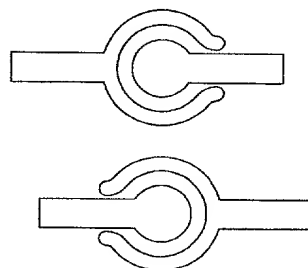


FIGURE 16d

# PC PROGRAMMER

## MAIN SCREEN

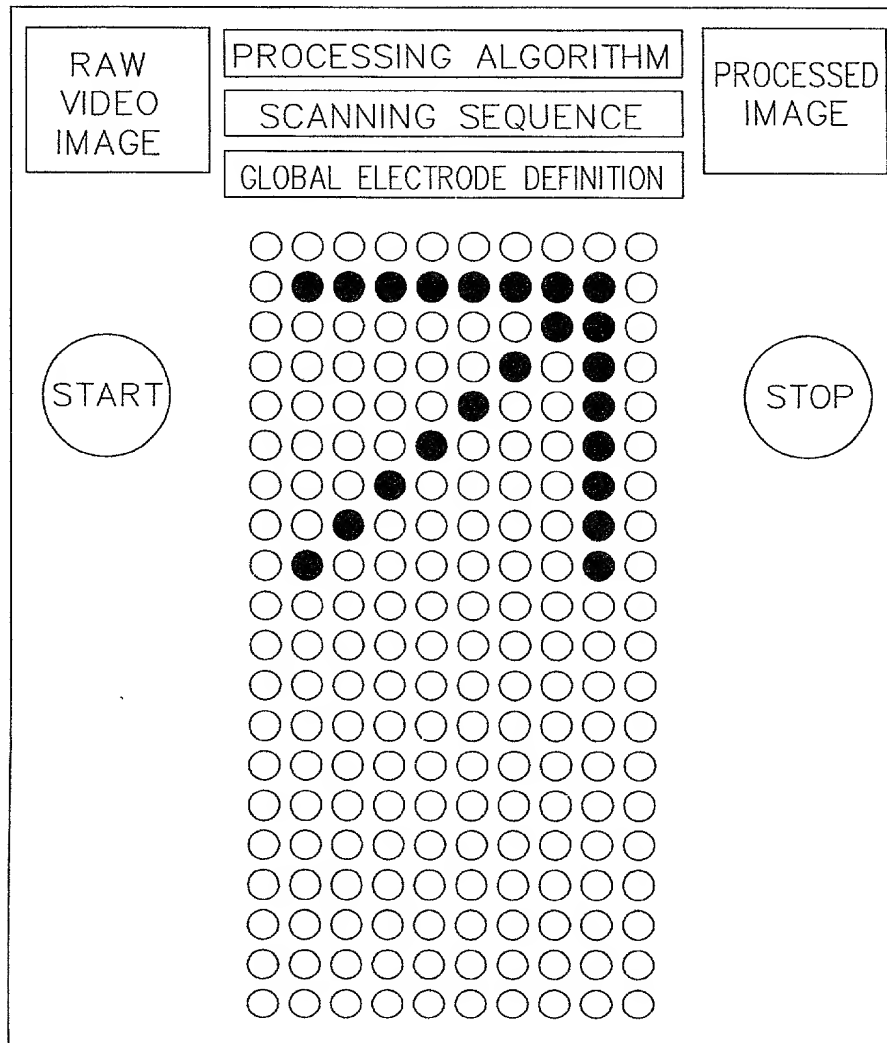
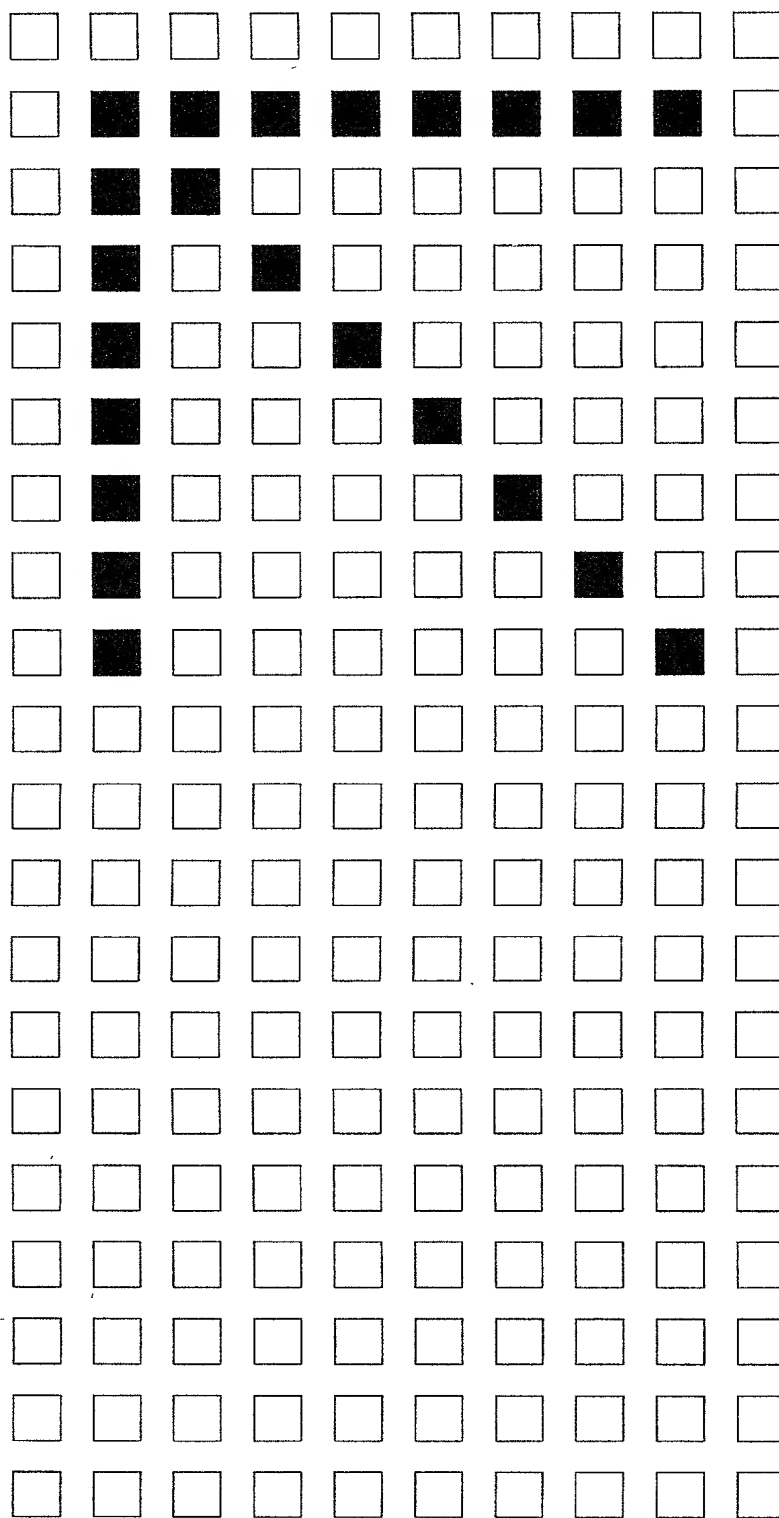


FIGURE 17a

# PROCESSING ALGORITHM

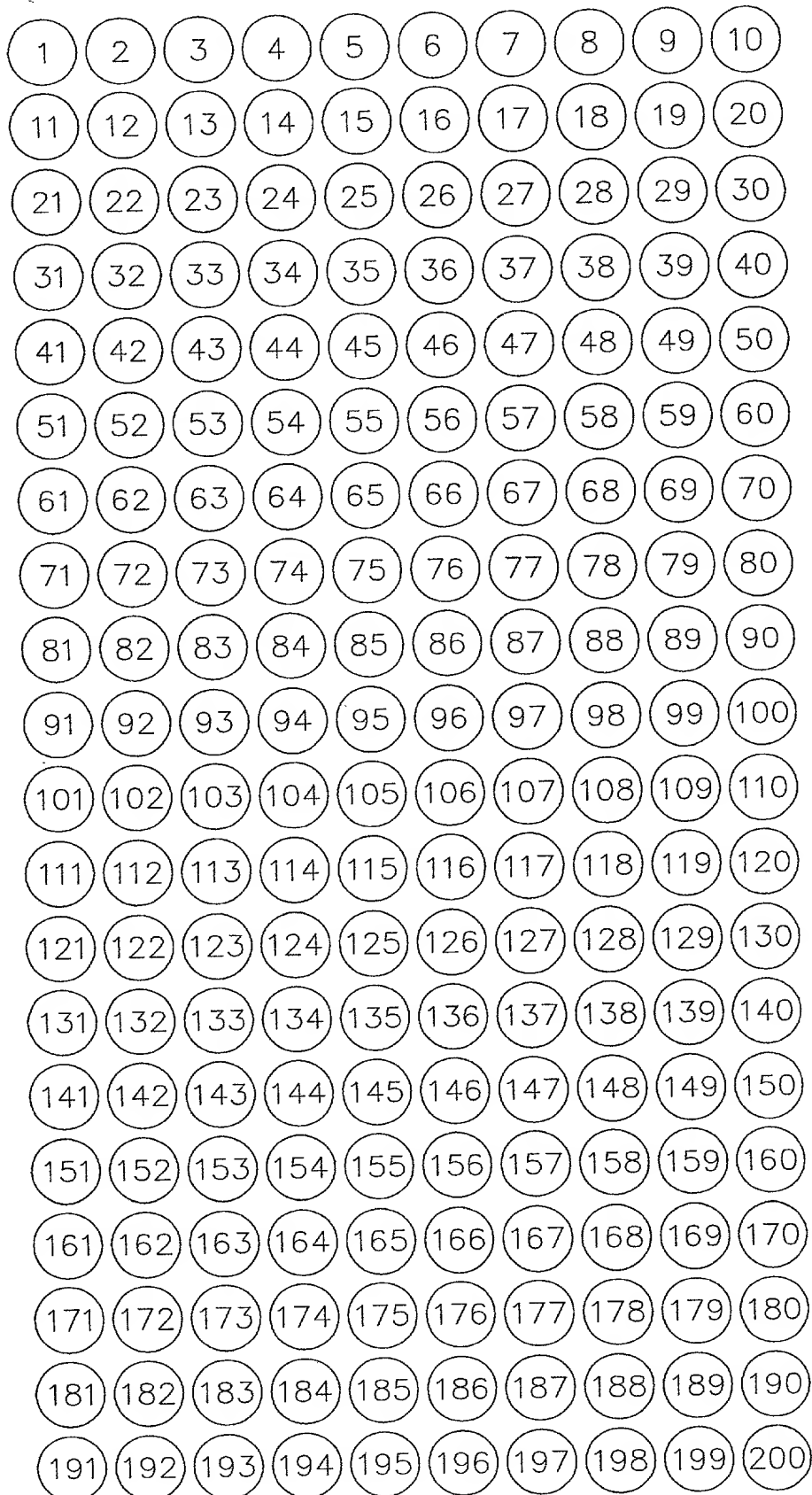
## PIXEL SELECTION



AVERAGE 8 SURROUNDING PIXELS

FIGURE 17b

# SCANNING SEQUENCE



PREDEFINED SEQUENCE A

FIGURE 17c

# ELECTRODE PARAMETERS

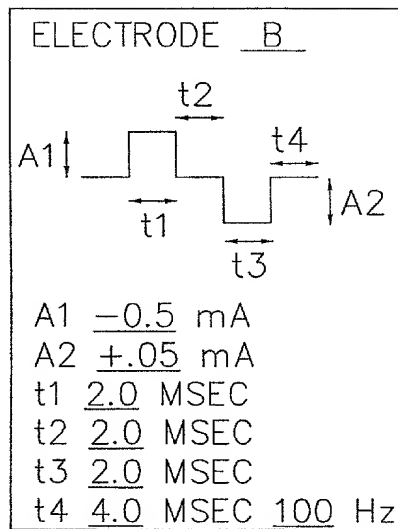


FIGURE 17d

# GLOBAL ELECTRODE CONFIGURATION

☐ MONOPOLAR  
☐ BIPOLAR  
☐ MULTIPOLAR

FIGURE 17e

## BIPOLAR

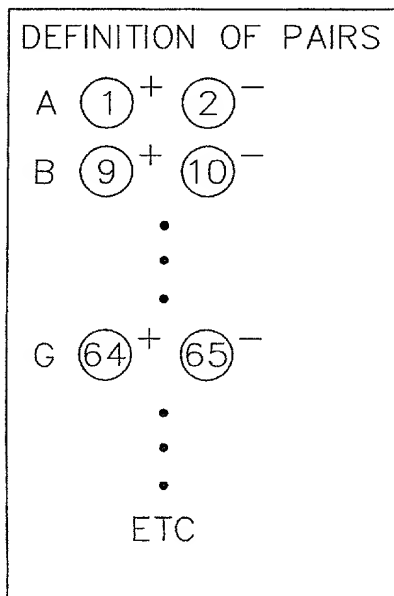


FIGURE 17f

## MULTIPOLAR

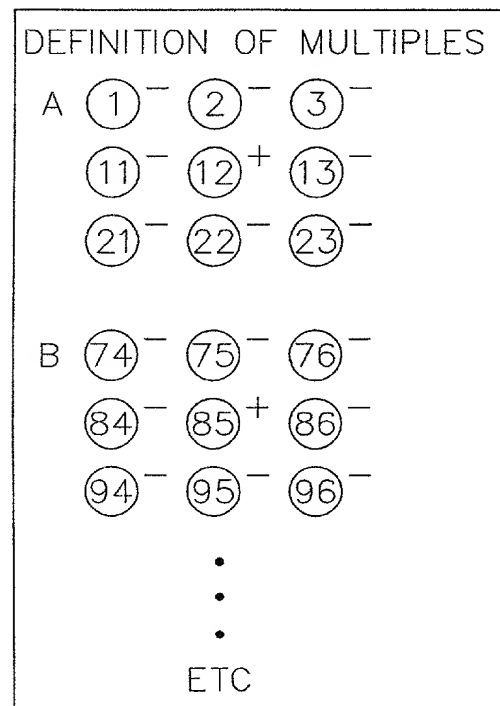


FIGURE 17g

# PALM-SIZED TEST UNIT

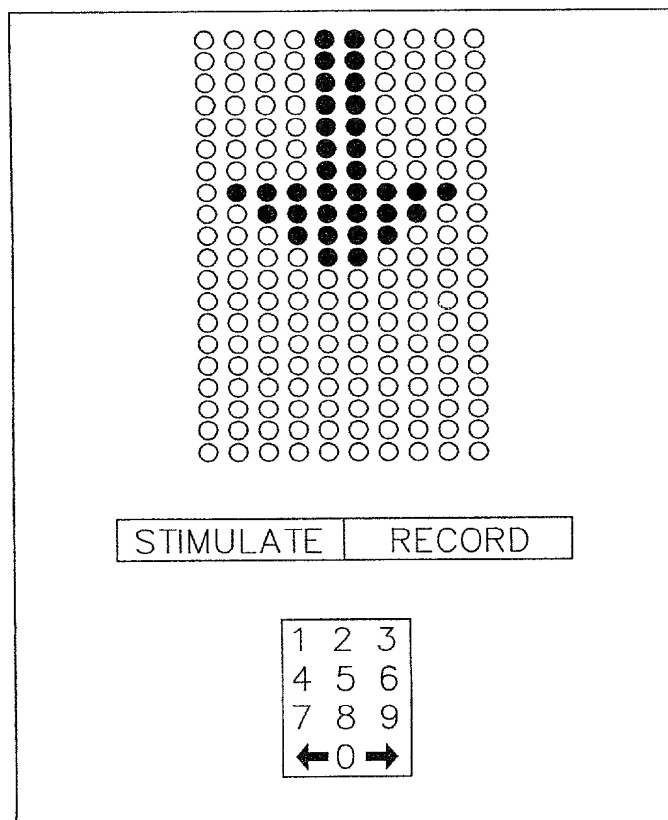


FIGURE 18a

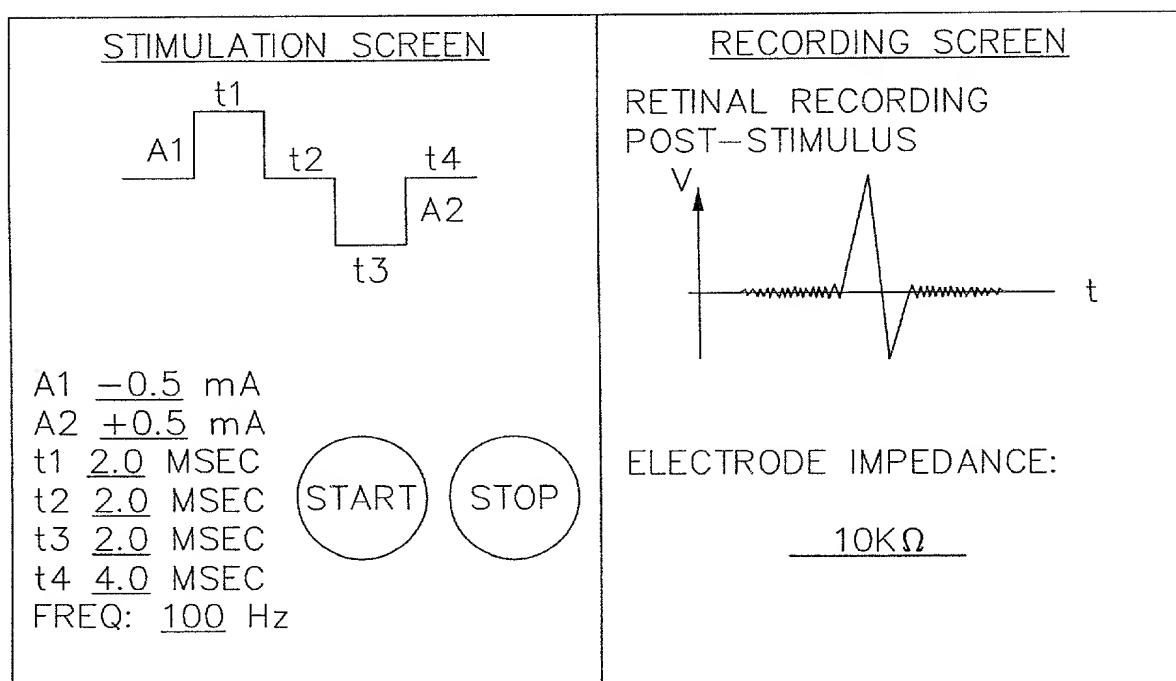


FIGURE 18b

FIGURE 18c

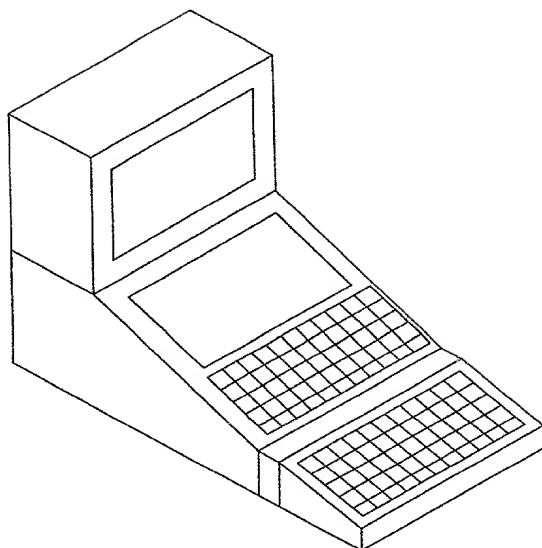


FIGURE 19a

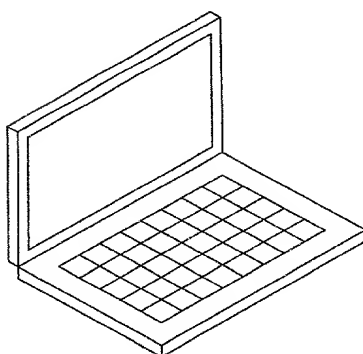


FIGURE 19b

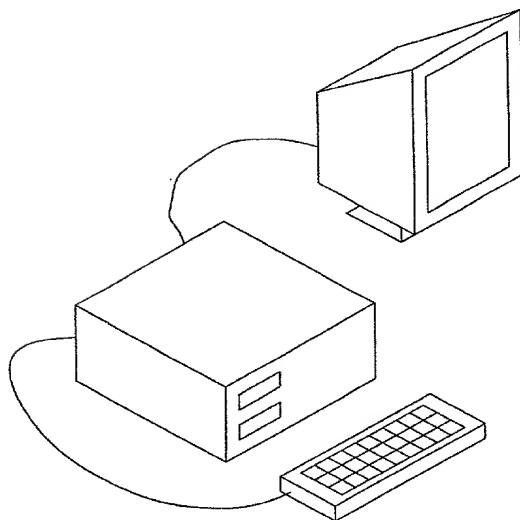


FIGURE 19c

PATIENT CONTROLLER

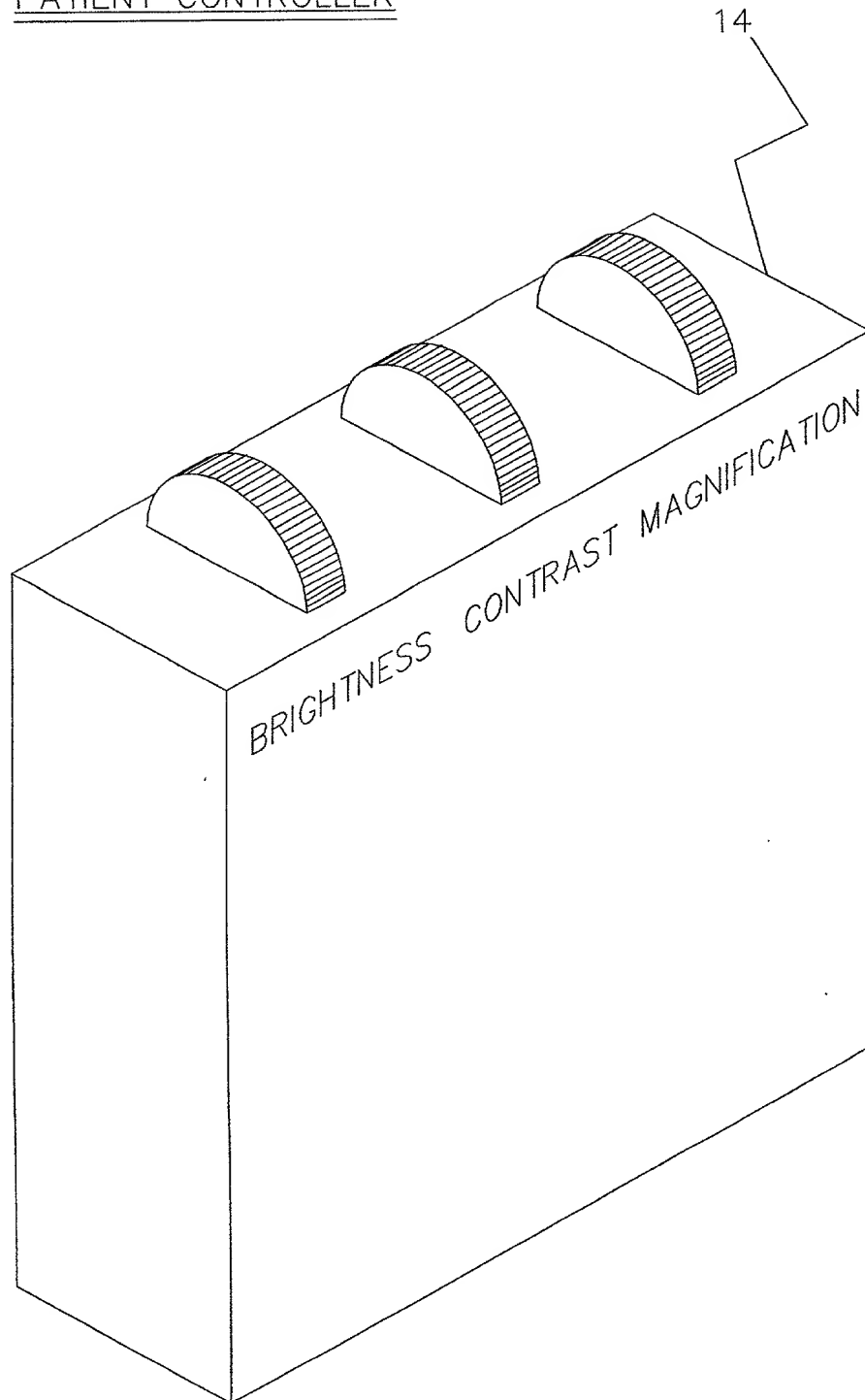


FIGURE 20